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I ATENT COOPERATION TREATY

To:

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

Date of mailing: 22 February 2001 (22.02.01)	in its capacity as elected Office
International application No.: PCT/DK99/00437	Applicant's or agent's file reference: 59871/GW/AW
International filing date: 16 August 1999 (16.08.99)	Priority date:
Applicant: JACOBSEN, Ole, Anders	

1.	The designated Office is hereby notified of its election made: X in the demand filed with the International preliminary Examining Authority on: 07 July 2000 (07.07.00)	
	in a notice effecting later election filed with the International Bureau on:	
2.	The election X was	
	was not made before the expiration of 19 months from the priority date or, where Rule 32 appl Rule 32.2(b).	ies, within the time limit under
		. •

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer:

J. Zahra

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38



PATENT COOPERATION TREATY

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NOTIFICATION OF WITHDRAWAL OF INTERNATIONAL APPLICATION OR DESIGNATIONS

(PCT Rule 90bis.1 and 90bis.2 and Administrative Instructions, Section 415(a))

From the INTERNATIONAL BUREAU

To:

BUDDE, SCHOU & OSTENFELD A/S Vestergade 31 DK-1456 København K DANEMARK

Eugénia Santos

Telephone No. (41-22) 338.83.38

Date of mailing (day/month/year) 02 February 200	00 (02.02.00)		
Applicant's or agent's file reference 59871/G		IF	MPORTANT NOTIFICATION
International application No. PCT/DK99/00437	International filing date (day/ma) 16 August 1999 (16.		Priority date (day/month/year)
Applicant	GEORG FISCH	IER DISA A/S	
started upon the express recommendation the designations for an analysis of the designation of the designati	application of the following States: ARIPO patent (specify "all States" cating the two-letter country codes): urasian patent	or, if the withdrawa	in national processing or examination has already all concerns only some States, specify those States only all concerns only some States, specify those States only exter country codes):
has (have) been withdrawn	on the date of receipt of the notice		awal as indicated below:
before the comp publication: of the of the after the completaken into accounts. The receiving Office and, i	international application. designations specified above. etion of the technical preparation int for the international publication	s for publication as	I (or elected) Offices, the International Searching formed accordingly.
The International	Bureau of WIPO	Authorized offic	er

Facsimile No. (41-22) 740.14.35

The International Bureau of WIPO 34, chemin des Colombettes

1211 Geneva 20, Switzerland

PATENT COOPERATION TREATY

	From the INTERNATIONAL BUREAU
PCT	To:
поп	BUDDE, SCHOU & OSTENFELD A/S
	Vestergade 31
COMMUNICATION IN CASES FOR WHICH	DK-1456 København K
NO OTHER FORM IS APPLICABLE	DANEMARK
Date of mailing (day/month/year)	
10 February 2000 (10.02.00)	
Applicant's or agent's file reference	REPLY DUE
59871/GW/AW	see paragraph 1 below
International application No.	International Cline data (J., J., J., J., J., J., J., J., J., J.,
PCT/DK99/00437	International filing date (day/month/year)
	16 August 1999 (16.08.99)
Applicant GEORG FISCI	JED DICA A/C
GEORG FISCI	HER DISA A/S
1. REPLY DUE within months/days from the a	above date of mailing
monassasys nom are	above sate of maning
NO REPLY DUE, however, see below	
N	
INFORMATION ONLY	
2. COMMUNICATION:	
Z. COMMONICATION.	
	, unduly issued on 02 February 2000
(02.02.99), as null and void.	
	· ·
The International Bureau of WIPO	Authorized officer
34, chemin des Colombettes 1211 Geneva 20, Switzerland	Eugénia Santos
	Tolonhono No. (41.22) 229 92 29
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38

FATENT COOPERATION TREATY

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year)	BUDDE, SCHOU & OSTENFELD A/S Vester Søgade 10 DK-1601 København V DANEMARK
12 novembre 2001 (12.11.01)	
Applicant's or agent's file reference 59871/GW/AW	IMPORTANT NOTIFICATION
International application No.	International filing date (day/month/year) 16 août 1999 (16.08.99)
PCT/DK99/00437	16 aout 1999 (16.06.99)
The following indications appeared on record concerning: The applicant the inventor	the agent the common representative
Name and Address GEORG FISCHER DISA A/S Herlev Hovedgade 17 DK-2730 Herlev Denmark	State of Nationality State of Residence DK DK Telephone No.
	Facsimile No.
	Teleprinter No.
2. The International Bureau hereby notifies the applicant that the	e following change has been recorded concerning:
X the person the name the add	ress the nationality the residence
Name and Address	State of Nationality State of Residence DK DK
DISA INDUSTRIES A/S Herlev Hovedgade 17 DK-2730 Herlev Denmark	Telephone No.
	Facsimile No.
	Teleprinter No.
3. Further observations, if necessary:	
4. A copy of this notification has been sent to:	
X the receiving Office	the designated Offices concerned
the International Searching Authority	X the elected Offices concerned
the International Preliminary Examining Authority	other:
The International Bureau of ₩IPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Anne KARKACHI
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

PCT

WIPO

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's 59871/G	or agent's file reference		See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		
		International filing date (day/month/year)	Priority date (day/month/year)		
	al application No.	16/08/1999	16/08/1999		
	99/00437	10,000.1000	10/00/1000		
nternationa B22C11/		or national classification and IPC			
Applicant					
GEORG	FISCHER DISA A/S et a	al.			
1. This i	nternational preliminary ex s transmitted to the applica	camination report has been prepared by this according to Article 36.	s International Preliminary Examining Authorit		
2. This I	REPORT consists of a total	of 4 sheets, including this cover sheet.			
b (s	een amended and are the	basis for this report and/or sheets containi n 607 of the Administrative Instructions und	ription, claims and/or drawings which have ng rectifications made before this Authority der the PCT).		
3. This i	report contains indications Basis of the report	relating to the following items:			
11	☐ Priority				
101	•	of opinion with regard to novelty, inventive	step and industrial applicability		
IV	☐ Lack of unity of inve				
V	⊠ Reasoned statement	nt under Article 35(2) with regard to novelty nations suporting such statement	, inventive step or industrial applicability;		
VI	☐ Certain documents	cited			
VII	☐ Certain defects in the	ne international application			
VIII	☐ Certain observation	s on the international application			
Date of sub	omission of the demand	Date of complet	ion of this report		
07/07/20	00	06.07.2001			
	mailing address of the internate examining authority:	ional Authorized office	er Stocker Miller		
<u>)</u>	European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 52	Patton, G	area of the second of the seco		
	Fax: +49 89 2399 - 4465	Telephone No	+49 89 2399 2059		

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/DK99/00437

i.	Basi	is of	the	rep	ort
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the receiving Office in response to an invitation under Article 14 are referred			nents of the international application (Replacement sheets which have been furnished to response to an invitation under Article 14 are referred to in this report as "originally filed" this report since they do not contain amendments (Rules 70.16 and 70.17)):				
	1-18	5	as originally filed				
	Clai	ims, No.:					
	1-18	3	as originally filed				
	Dra	wings, sheets:					
	1/6-	6/6	as originally filed				
2.	With lang	n regard to the lang guage in which the	guage, all the elements marked above were available or furnished to this Authority in the international application was filed, unless otherwise indicated under this item.				
	These elements were available or furnished to this Authority in the following language: , which is:						
		the language of a	translation furnished for the purposes of the international search (under Rule 23.1(b)).				
		the language of pu	ublication of the international application (under Rule 48.3(b)).				
		the language of a 55.2 and/or 55.3).	translation furnished for the purposes of international preliminary examination (under Rule				
3.	With inte	n regard to any nuc rnational preliminar	eleotide and/or amino acid sequence disclosed in the international application, the ry examination was carried out on the basis of the sequence listing:				
		contained in the in	iternational application in written form.				
		filed together with	the international application in computer readable form.				
		furnished subsequ	uently to this Authority in written form.				
		I furnished subsequently to this Authority in computer readable form.					
		☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.					
		The statement that listing has been full	It the information recorded in computer readable form is identical to the written sequence irnished.				
4.	The	amendments have	e resulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/DK99/00437

		the drawings,	sheets:		
5.					ome of) the amendments had not been made, since they have beer as filed (Rule 70.2(c)):
		(Any replacement she report.)	eet contair	ning such	amendments must be referred to under item 1 and annexed to this
6.	Add	litional observations, if	necessar	y:	
V.		soned statement und tions and explanatio			ith regard to novelty, inventive step or industrial applicability;
1.	Stat	ement			
	Nov	relty (N)	Yes: No:	Claims Claims	1-18
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-18
	Indu	ustrial applicability (IA)	Yes:	Claims	1-18

No: Claims

2. Citations and explanations see separate sheet

PART V - Nov Ity and inventive step (Art. 33(2)-(3) PCT)

The document US-A-5 647 424(=D1), which is cited in the present application on page 1 and considered as the closest art, discloses a method of producing mould parts (5) on a string moulding apparatus comprising a moulding chamber (1) between a squeeze plate (2) and a pivoted squeeze plate (3) in which both the squeeze plate (2) and the pivoted squeeze plate (3) can move in a direction towards each other and a direction away from one another comprising the steps of introducing a compressible particulate moulding material in the moulding chamber (1) and then squeezing the moulding material (5) by moving the squeeze plate (2) and the pivoted squeeze plate (3) towards one another. D1 also discloses an apparatus for performing said process (see col. 1, I. 5-25; col. 2, I. 39 to col. 6, I. 23 and figures).

D1 does not disclose the features of the characterizing part of claims 1 and 9. Therefore, the subject-matter of claims 1 and 9 is novel (Art. 33(2) PCT).

The problem to be solved may be regarded as providing a process or an apparatus enabling low cycle time together with the extraction of the mould part from the moulding chamber after compaction without damage.

Since none of the available prior art discloses or renders obvious the distinguishing features so that the problem is solved, inventive step is also acknowledged for the subject-matter of claims 1 and 9 (Art. 33(3) PCT).

Since claims 2-8 and 10-18 depend on claims 1 and 9, respectively, they also satisfy the requirements of Article 33(2)-(3) PCT.



PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 59871/GW/AW	FOR FURTHER ACTION			ational Search Report applicable, item 5 below.		
International application No.	International filing date (da	y/month/year)	(Earliest) Priority D	ate (day/month/year)		
PCT/DK 99/00437 16/08/1999						
Applicant						
GEORG FISCHER DISA A/S et	al.					
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this Internation ansmitted to the International	nal Searching Auth Bureau.	ority and is transmitte	d to the applicant		
This International Search Report consists It is also accompanied by	of a total of2 a copy of each prior art docu	sheets.	report.			
Basis of the report						
a. With regard to the language, the language in which it was filed, unl	international search was carr ess otherwise indicated unde	ried out on the bas er this item.	is of the international	application in the		
the international search w Authority (Rule 23.1(b)).	as carried out on the basis o	f a translation of th	ne international applic	ation furnished to this		
b. With regard to any nucleotide an was carried out on the basis of the	e sequence listing :		ternational application	, the international search		
	onal application in written form					
	ernational application in comp	•	I .			
	o this Authority in written form o this Authority in computer re					
	osequently furnished written		pes not go beyond the	disclosure in the		
international application a	s filed has been furnished.					
the statement that the infe	ormation recorded in comput	er readable form is	identical to the writte	n sequence listing has been		
	nd unsearchable (See Box	1).				
3. Unity of invention is lac	king (see Box II).					
4. With regard to the title,						
the text is approved as su	• • • •					
X the text has been establis INDEPENDENT CONTROL O	shed by this Authority to read F SQUEEZE PLATE V		RING FLASKLES	S MOULDING		
5. With regard to the abstract,						
the text is approved as su	ibmitted by the applicant.					
the text has been establis	shed, according to Rule 38.2(e date of mailing of this intern	b), by this Authorit national search rep	y as it appears in Box ort, submit comments	t III. The applicant may, s to this Authority.		
6. The figure of the drawings to be pub	lished with the abstract is Fiç	jure No.	1			
as suggested by the appl	icant.			None of the figures.		
because the applicant fai				•		
because this figure better	characterizes the invention.					

A. CLASSI IPC 7	B22C11/10 B22C19/04				
	o International Patent Classification (IPC) or to both national classific SEARCHED	ation and IPC			
	ocumentation searched (classification system followed by classification B22C	on symbols)			
Documenta	tion searched other than minimum documentation to the extent that s	such documents are included in the fields so	earched		
Electronic d	ata base consulted during the international search (name of data ba	ise and, where practical, search terms used)		
	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the rel	evant passages	Relevant to claim No.		
Α	US 5 647 424 A (LARSEN JENS PETER 15 July 1997 (1997-07-15) cited in the application claims 1-10; figures 1-3	R ET AL)	1-18		
A	EP 0 020 082 A (DANSK IND SYNDIKAT) 10 December 1980 (1980-12-10) claims 1,2; figures 1,2				
Α	WO 96 30140 A (GEORG FISCHER DISA ;LARSEN JENS PETER (DK); JESPERSE (DK)) 3 October 1996 (1996-10-03) claims 1-11; figures 1-5	EN EMIL	1,9		
A	US 4 791 974 A (LARSEN AAGE B) 20 December 1988 (1988-12-20) claims 1-11; figure 1 	•	1,9		
Furti	her documents are listed in the continuation of box C.	X Patent family members are listed	in annex.		
"A" docume consid	tegories of cited documents : ent defining the general state of the art which is not lered to be of particular relevance	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or the invention	the application but eory underlying the		
"E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or					
other r "P" docume later th	means ont published prior to the international filling date but nan the priority date claimed	ments, such combination being obvious in the art. "&" document member of the same patent			
Date of the	actual completion of the international search	Date of mailing of the international sea	arch report		
1.	2 April 2000	25/04/2000			
Name and n	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk	Authorized officer			
	NL - 2280 HV Hijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Mailliard, A				

INTERNATIONAL SEARCH REPORT

aormation on patent family members

pternational Application No PCT/DK 99/00437

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1 01 4001									
A CLASSI IPC 7	IFICATION OF SUBJECT MATTER B22C11/10 B22C19/04								
According to	o International Patent Classification (IPC) or to both national classific	cation and IPC							
	SEARCHED								
Minimum do IPC 7	ocumentation searched (classification system followed by classificat 822C	tion symbols)							
110,	0220								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched									
Electronic da	tata base consulted during the international search (name of data ba	ase and, where practical, search terms used	d)						
C DOCUME	ENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with indication, where appropriate, of the rel	*	The state of the S						
Calc _y .,	Change of document, will indication, whose appropriate, or the ro-	levant passages	Relevant to claim No.						
A	US 5 647 424 A (LARSEN JENS PETE	P FT AL \	1 10						
^	15 July 1997 (1997–07–15)	K EI AL)	1-18						
	cited in the application								
	claims 1-10; figures 1-3								
	TO 0 000 000 A (DANCY THE CVAILTY								
Α	EP 0 020 082 A (DANSK IND SYNDIKA 10 December 1980 (1980-12-10)	AT)	1,9						
	claims 1,2; figures 1,2		İ						
A	WO 96 30140 A (GEORG FISCHER DISA		1,9						
	;LARSEN JENS PETER (DK); JESPERSE								
	(DK)) 3 October 1996 (1996-10-03) claims 1-11; figures 1-5)							
Α	US 4 791 974 A (LARSEN AAGE B)		1,9						
ļ	20 December 1988 (1988-12-20)		,						
ŀ	claims 1-11; figure 1								
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Furth	ner documents are listed in the continuation of box C.	Date of family manhor and fished	-						
<u> </u>		X Patent family members are listed	in annex.						
	tegories of cited documents :	To later document published after the inte							
"A" documer conside	ent defining the general state of the art which is not lered to be of particular relevance	or priority date and not in conflict with cited to understand the principle or the	the application but						
	ocument but published on or after the international	invention "X" document of particular relevance; the ci	fairned invention						
"L" documer	nt which may throw doubts on priority claim(s) or	cannot be considered novel or cannot involve an inventive step when the do	be considered to						
which is	is cited to establish the publication date of another n or other special reason (as specified)	"Y" document of particular relevance; the cleanot be considered to involve an inv	laimed invention						
other m		document is combined with one or mo ments, such combination being obviou	re other such docu-						
"P" documer later the	ont published prior to the international filling date but an the priority date claimed	in the art. *& document member of the same patent (•						
	actual completion of the international search	Date of mailing of the international sea							
		Date of Hearing or and investment over	irch report						
12	2 April 2000	25/04/2000							
Name and m	nailing address of the ISA	Authorized officer							
	European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk	8.0	•						
Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016		Mailliard, A							



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Inter mai Application No PCT/DK 99/00437

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